**Theme:** Biodiversity

**Vision:** Create the next generation of biodiversity researchers who are a mixture of muddy boot naturalists and analytical technicians

**Goal 1:** Produce STEM professionals who are interdisciplinary, technically savvy, and professionally literate.

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| Strategy A: Core Biology training | Output | Outcome | Data Method |
| Course work | # and description of courses offered  # students enrolled in each course each semester  # students completing each course each semester | Students will understand key concepts in modern biology: evolution, climate change, ecology |  |
| Two week field course | # and description of field courses  # students enrolled in each course each semester  # students completing each course each semester | Students will have field naturalist skills: knowledge of the diversity of a group, ability to identify taxa in the field and in the lab |  |
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| Strategy B: Technological training |  |  |  |
| Workshops | # and description of workshops offered  # students enrolled in each workshop  # students completing each workshop each semester | Students will have skills in data analysis using the current approaches in their field (currently R and python, though this might change over the life of the grant)  Expand program reach through streaming |  |
| Tutorials | # and description of tutorials offered  # students enrolled in each tutorial each semester  # students completing each tutorial each semester | Student outcome?  Sustain program through fees |  |
| Field courses | # and description of courses offered  # students enrolled in each course each semester  # students completing each course each semester | Student outcome?  Sustain program through fees |  |
|  |  |  |  |
| Strategy C: Professional training |  |  |  |
| Focused courses (project management, team building) |  |  |  |
|  |  |  |  |
| Strategy D: Integration of A-C |  |  |  |
| Internships |  | Build professional network  Exposure to concrete issues  Tailor training to identified partner needs |  |
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**Goal 2:** Advance biodiversity research

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| Strategy | Output | Outcome | Data Method |
| What are your strategies for advancing biodiversity research? Do the strategies from goal 1 have natural extensions that will lead to advancing research (e.g. internships will result in a student product that will add to the knowledge base)? |  |  |  |

**Goal 3:** Generate knowledge about innovations in graduate education approaches

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| Strategy | Output | Outcome | Data Method |
| Document program implementation | # management team meetings  Timeline  Meeting minutes |  |  |
| Engage external advisory board | # and description of advisory board  # advisory board meetings  Meeting minutes |  |  |
| Revise program implementation based on program data and emergent literature | # significant revisions made  Description of rationale for changes  Updated timeline |  |  |
| Disseminate program results via publications and presentations | # and description of presentations  # and description of publications |  |  |